



The Role of Data and Standards in our Modernization and Transformation Journey

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Digitization – the fourth industrial revolution







2nd revolution 19th century



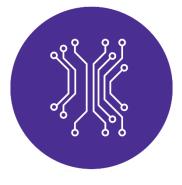
Electrification

3rd revolution 20th century



Automation

4th revolution 21st century



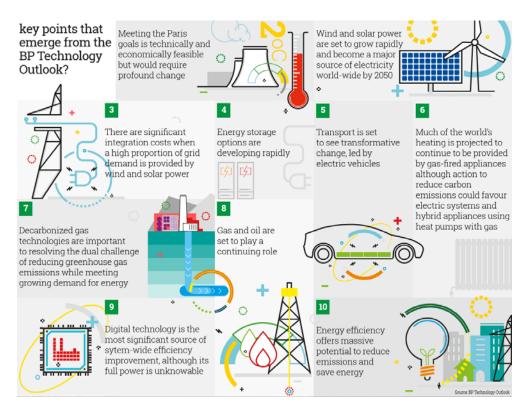
Digitization

IT&S

Source: BP Technology Review, 2018

Digitization – will have a significant impact on world energy systems





We estimate that application of digital tools, including sensors, supercomputing, data analytics, automation and artificial intelligence (AI), all supported by the networked computers of the 'cloud', could reduce primary energy demand and costs in sectors of the energy system by 20-30% by 2050.

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Source: BP Technology Outlook, 2018

BP strategy – platform for growth











Shift to gas and advantaged oil in the upstream

Market-led growth in the downstream

Venturing and low carbon across multiple fronts

Modernizing the whole group



Our Purpose

We solve big complex challenges with our data and technology expertise to advance the energy transition

Source: BP IT&S

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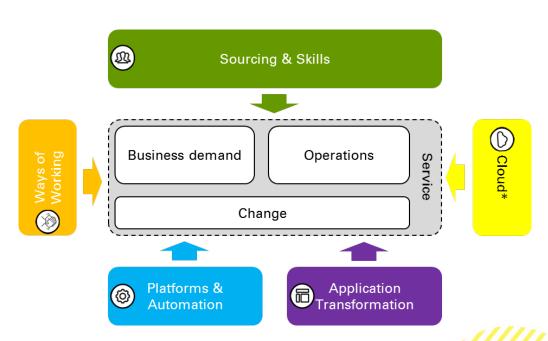
Themes to deliver Information and Technology at Pace



The Modernise IT programme has been established to drive changes with work structured against 4 levers:

- Sourcing and skills Transforming from a facilitating to a
 doing IT organisation by getting the balance right between BP
 staff and external vendors and building the digital capabilities
 to support this
- New ways of working empowering our people by combining build, run and change activities and by adopting agile and DevOps practices to work faster and more flexibly
- Platforms & Automation Defining the core platforms for IT&S, equipping the organisation to transition to operate these whilst identifying opportunities for automation to reduce costs, improve effectiveness and modernize our offering
- 4. Application transformation Removing complexity and cost through a simplified application landscape, identifying and delivering changes to applications to work best in a cloud environment.

These changes are in addition to the Cloud Transformation (+1)



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Source: BP IT&S

Role of standards



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PIDX Standards help drive eBusiness adoption, integration cost reduction, and improve overall Business Processes Efficiencies.



Source: BP IT&S



Q&A

